

THE UNIVERSITY OF WISCONSIN
COLLEGE OF AGRICULTURE

Madison 6

DEPARTMENT OF GENETICS

May 20, 1948.

Dr. Sol Spiegelman,
Dept. Bacteriology,
Washington University,
St. Louis, Missouri.

Dear Sol,

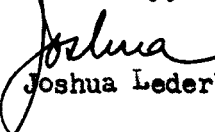
Winge's reprints just arrived, and I've had the pleasure of reading them, I don't think you have much to quarrel about with him, at least in the ultimate interpretations, although one may wonder whether you will agree with him in regard to even the long-term adaptability of your mel- strains. Do you confirm his observations on galactose-fermentation by *S. Bayanus*? When it comes down to it, in his $G \times g_s$ crosses, he is demonstrating the transmission of the cytoplasmic mechanism for long-term adaptation. Of course this is a "phenotypic" phenomenon-- so is your melibiose story. It seems to me that it is this issue which differentiates your viewpoint from Lindegren's, since he has been talking about changes of the locus, and you do not. In Winge's material, perhaps the most interesting experiment has not been done, namely on the effect of preadaptation of the G parent on the rate of adaptation of the g_s segregants of a $G \times g_s$ cross, or even a $g_s(\text{adapted}) \times g_s(\text{nonadapted})$.

But the purpose of this letter is not to reconcile you with Winge, which it's none of my business to do, but to remind you please to send me a copy of the first crude draft of the writeup of the pink yeast work, as soon as convenient.

When are you leaving St. Louis-- via the CSH meetings?

Best regards,

Sincerely,


Joshua Lederberg